

PRODUCTION OF LOW ALPHA-OLEFIN POLYMER

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Abstract of JP8283330

PURPOSE: To obtain an improved process for producing a low α -olefin polymer in the presence of a chromium catalyst, the process having been improved so that a by-product polymer and the catalyst component can be efficiently removed, enabling the polymer to be produced industrially advantageously. **CONSTITUTION:** A low polymn. of an α -olefin is conducted in a solvent in the presence of a catalyst system at least comprising a chromium compd., at least one compd. selected from among an amine, an amide, and an imide, and an alkylaluminum compd. Then, after the catalyst component is removed from the reaction soln. while keeping the soln. at such a temp. as not to cause the precipitation of a by-product polymer, the soln. is condensed by distillation, thus separating the by-product polymer together with high-boiling components.

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